

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Min Wang

GENERAL INFORMATION:

Name:	North American Stainless
Address:	6870 Highway 42, Ghent, Kentucky
Date application received:	12/09/2005
SIC/Source description:	3312; 3316
Source ID #:	21-041-00034
Source A.I. #:	711
Activity #:	APE20050004
Permit number:	V-03-037 (Revision 2)

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
X Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input checked="" type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☒ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY¹:

Pollutant	Actual ² (tpy)	Potential ³ (tpy)
PM/PM ₁₀	194.89/191.77	537.69
SO ₂	1.25	3.82
NO _x	786.8	1929.50
CO	1564.04	3732.06
VOC	60.73	745.73
Source wide HAPs	0.75	2.73

Note: 1. Revision 2 only revised regulation requirements, record keeping, and monitoring requirements in general. This major revision does not affect any pollutant emissions for NAS.

2. Actual emissions for listed pollutants were obtained from 2004 EIS.

3. Maximum allowed emission potential was based on after-control if BACT applied to the processes or the control was federally enforceable.

SOURCE DESCRIPTION:

North American Stainless, an existing PSD/Title V major source, submitted a permit modification application to its existing V-03-037 (Rev 1) permit to improve recordkeeping and monitoring requirements. Alternative operating scenarios have been included for existing reverse rolling mills and pickling lines which would reduce emissions as well as require different recordkeeping requirements based on the control technology that may be employed. The plant is a PSD/Title V source because criteria air pollutants potential emissions exceed the major source thresholds.

This application is considered a major modification due to significant changes in monitoring and recordkeeping requirements and the introduction of alternative scenarios for future improvements that could result in changes of the recordkeeping requirements. No air dispersion modeling was required for this permit application since no new emission sources were being introduced. The modeling as completed for Revision 1 of this permit is still representative of the facility and its emissions.

NAS has submitted the modification application on December 8, 2005. This permit is being issued as a significant permit revision.

OPERATIONAL FLEXIBILITY:

None